AMENDMENTS TO THE CLAIMS

- 1. (Original) A method for separating a precursor cell producing a GABAergic neuron alone, which comprises the steps of:
 - (a) preparing a cell population containing a precursor cell of GABAergic neuron;
- (b) introducing a DNA, in which a cDNA of a reporter protein emitting a signal detectable even in vivo is attached to the downstream of a promoter of GAD67 gene or GAD65 gene that is gene of an inhibitory neurotransmitter GABA synthase, into each cell in the cell population;
- (c) isolating a GABAergic neuron and a precursor cell of GABAergic neuron based on the presence/ absence of the signal emitted by the reporter; and
- (d) isolating the precursor cell of GABAergic neuron based on the possession of proliferative capability.
- **2.** (Original) A method for separating a precursor cell producing a GABAergic neuron alone, which comprises the steps of:
 - (a) preparing a cell population containing a precursor cell of GABAergic neuron;
- (b) introducing a DNA, in which a cDNA of a protein imparting a property of drug resistance is attached to the downstream of a promoter of GAD67 gene or GAD65 gene that is gene of an inhibitory neurotransmitter GABA synthase, into each cell in the cell population;
- (c) isolating a GABAergic neuron and a precursor cell of GABAergic neuron based on the presence/ absence of the drug resistance; and
- (d) isolating the precursor cell of GABAergic neuron based on the possession of proliferative capability.
- **3. (Original)** A method for separating a precursor cell producing a GABAergic neuron alone, which comprises the steps of:
 - (a) preparing a cell population containing a precursor cell of GABAergic neuron;
- (b) introducing a DNA, in which a cDNA of a recombinant enzyme and a cassette DNA are attached to the downstream of a promoter of GAD67 gene or GAD65 gene that

is a gene of an inhibitory neurotransmitter GABA synthase, into each cell in the cell population, wherein the cassette DNA expresses a reporter protein emitting a signal detectable even in vivo after being genetically recombined;

- (c) isolating a GABAergic neuron and a precursor cell of GABAergic neuron based on the presence/ absence of the signal emitted by the reporter; and
- (d) isolating the precursor cell of GABAergic neuron based on the possession of proliferative capability.
- **4.** (Original) A method for separating a precursor cell producing a GABAergic neuron alone, which comprises the steps of:
 - (a) preparing a cell population containing a precursor cell of GABAergic neuron;
- (b) introducing a DNA, in which a cDNA of a recombinant enzyme and a cassette DNA are attached to the downstream of a promoter of GAD67 gene or GAD65 gene that is gene of an inhibitory neurotransmitter GABA synthase, into each cell in the cell population, wherein the cassette DNA expresses a protein imparting a property of drug resistance after being genetically recombined;
- (c) isolating a GABAergic neuron and a precursor cell of GABAergic neuron based on the presence/ absence of the drug resistance; and
- (d) isolating the precursor cell of GABAergic neuron based on the possession of proliferative capability.
- 5. (Original) The method according to any one of claims 1 to 4, wherein in the step (a), the cell population contains a precursor cell of GABAergic neuron induced from an embryo stem cell or a neural stem cell.
- 6. (Original) The method according to any one of claims 1 to 4, wherein in the step (a), the cell population is prepared by dispersing tissues containing a precursor cell of GABAergic neuron of a donor.
- 7. (Original) The method according to any one of claims 1 to 4, wherein the method of introducing the DNA in the step (b) includes transformation mediated by a virus.

- 8. (Original) The method according to any one of claims 1 to 4, wherein the method of introducing the DNA in the step (b) includes electroporation.
- 9. (Original) The method according to any one of claims 1 to 4, wherein the method of introducing the DNA in the step (b) includes transformation mediated by a liposome.
- 10. (Original) The method according to claim 5, wherein the embryo stem cell or the neural stem cell is derived from a mammal.
- 11. (Original) The method according to claim 10, wherein the mammal is human.
- 12. (Original) The method according to claim 6, wherein the donor is a mammal.
- 13. (Original) The method according to claim 12, wherein the mammal is human.
- 14. (Original) The method according to any one of claims 1 to 4, further comprising a step of transplanting the cell separated in the step (d) into a recipient.
- 15. (Currently amended) A precursor cell producing a GABAergic neuron alone, which is obtained by the method according to any one of claims 1 to 14 4.
- 16. (Currently amended) A kit containing a reagent and a cell, which is used for obtaining a precursor cell producing a GABAergic neuron alone in a method according to any one of claims 1 to 14 4.